Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		((cal\$4 ring\$4) and circuit and (remove eliminate) and (relay switch))".ab"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/02/10 11:32
L1	18	((379/372).CCLS.) and (impedance or resistance).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/16 12:54
S1	282954	(ring\$3 or call\$3).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR STATE OF THE PROPERTY OF TH	ON	2003/07/01 12:12
S2	1706	(slic or "line interface" or "loop intereface").ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 11:23
S3	26	((379/372).CCLS.) and ring\$3.ti.	USPAT	OR	OFF	2003/07/02 15:48
S4	17	((379/372).CCLS.) and (impedance or resistance).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 15:48
S 5	62	((ring\$3 or call\$3).ti.) and ((loop line feed) adj (resistance impedance)).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 15:50
S6	8	"4953206".URPN.	USPAT	OR	OFF	2003/07/02 15:52
S7	14	("1277025" "2212927" "2260296" "3309633" "3340364" "3535646" "3641357" "3736437" "4178480" "4456985" "4456986" "4546212" "4608686" "4640989").PN.	USPAT	OR	OFF	2003/07/02 16:00
58	27	(ringing and impulse and noise).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 15:52
S9.	9	((ringer "ring send\$3" "ring\$send\$3") and impulse).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 15:52

S10	306	ring\$3 same ("high impedance" or "high resistance") same (switch)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/03 09:35
S11	19	(ring\$3 same ("high impedance" or "high resistance") same (switch)) and ring\$3.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/03 09:35
S12	46	"4551581".URPN.	USPAT	OR	OFF	2003/07/03 10:41
S13	51	(ring\$3 and (generat\$3 or circuit or signal\$4)).ti. and (loop and (impedance or resistance)).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/02/09 11:36
S14	198	(379/372).CCLS.	USPAT; USOCR	OR	OFF	2004/02/09 11:30
S15	69	(((379/142.04,82,179,207.08,207. 09,252,375.01,376.02,413.01,418, 25,88.19-88.23,93.03,29.06,142.01, 142.08,93.05,416,417,422).CCLS.) and ("caller id" or "caller identification")) and switch and ring\$3 and silent	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/02/09 11:30
S16	39	(ringing and slic).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/02/09 11:36
S17		((ringing and slic).ab.) and (variable same impedance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/02/09 11:36
S18	2	((ringing and slic).ab.) and (variable and impedance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/02/09 11:36
S19	4439	379/142.04,82,179,207.08,207.09, 252,375.01,376.02,413.01,418,25, 88.19-88.23,93.03,29.06,142.01, 142.08,93.05,416,417,422.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/02/10 11:07
S20	36	379/142.04,82,179,207.08,207.09, 252,375.01,376.02,413.01,418,25, 88.19-88.23,93.03,29.06,142.01, 142.08,93.05,416,417,422.ccls. and feed.ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/02/10 11:20

S21	424	tou.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/02/10 11:21
S22		"call signal transmission".ti. and mizu.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/02/10 11:31
S23	729	((cal\$4 ring\$4) and circuit and (remove eliminate) and (relay switch)).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/02/10 11:32
S24	176	((cal\$4 ring\$4) and circuit and ((remove eliminate) with (relay switch))).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/02/10 11:36
S25	2	"6115469".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/02/10 11:37
S26	38	((ring\$3 and (generat\$3 or circuit or signal\$4)).ti. and (loop and (impedance or resistance)).ab.) not (trip).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/01 10:54
S27	43	"dial pulse distortion"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/01 11:13
528	40	"ring distortion" ab	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/01 11:16
S29	192	(379/372).CCLS.	USPAT; USOCR	OR	OFF	2003/07/01 11:16
S30	296	(379/372,25).CCLS.	USPAT; USOCR	OR	OFF	2003/07/01 11:17
S31	104	(379/25).CCLS.	USPAT; USOCR	OR	OFF	2003/07/01 11:17
S32	0	("8andring\$3.ti.").PN.	USPAT; USOCR	OR	OFF	2003/07/01 11:18

S33	26	(((379/372).CCLS.) and ring\$3.ti.) not ((ring\$3 and (generat\$3 or circuit or signal\$4)).ti. and (loop and (impedance or resistance)).ab.)	USPAT	OR	OFF	2003/07/01 11:20
S34	46	"4551581".URPN:	USPAT	OR	OFF	2003/07/01 11:57
S35	0	"2001136277".URPN.	USPAT	OR	OFF	2003/07/02 10:03
S36	0.	"2001136277".URPN.	USPAT	OR	OFF	2003/07/02 10:03
S37	0	"62078941".URPN.	USPAT	OR	OFF	2003/07/02 11:23
\$38	26	((ringing and impulse and noise). ab.) not ((((slic or "line interface" or "loop intereface").ti.) and ("high impedance" or "high resistance"). ab.) ((ring\$3 and (generat\$3 or circuit or signal\$4)).ti. and (loop and (impedance or resistance)).ab.) (((379/372).CCLS.) and ring\$3.ti.) (((379/372).CCLS.) and (impedance or resistance).ab.) (((ring\$3 or call\$3).ti.) and ((loop line feed) adj (resistance impedance)).ab.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 10:57
S39	168	(((slic or "line interface" or "loop intereface").ti.) and ("high impedance" or "high resistance"). ab.) ((ring\$3 and (generat\$3 or circuit or signal\$4)).ti. and (loop and (impedance or resistance)).ab.) (((379/372).CCLS.) and ring\$3.ti.) (((379/372).CCLS.) and (impedance or resistance).ab.) (((ring\$3 or call\$3).ti.) and ((loop line feed) adj (resistance impedance)).ab.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 09:18

S40	8	"4953206".URPN. not (((((slic or	US-PGPUB;	OR	ON	2003/07/02 11:24
		"line interface" or "loop	USPAT;			
		intereface").ti.) and ("high	EPO; JPO;			
		impedance" or "high resistance").	DERWENT;			
		ab.) ((ring\$3 and (generat\$3 or	IBM_TDB			,
		circuit or signal\$4)).ti. and (loop	1011_100			
		and (impedance or resistance)).ab.)				
		(((379/372).CCLS.) and ring\$3.ti.)		1		
		(((379/372).CCLS.) and (impedance				
		or resistance).ab.) (((ring\$3 or		1		
		call\$3).ti.) and ((loop line feed) adj				
		(resistance impedance)).ab.)) or				
	i '	(((ringing and impulse and noise).]		
		ab.) not ((((slic or "line interface" or				
		"loop intereface").ti.) and ("high				À
		impedance" or "high resistance"). ab.) ((ring\$3 and (generat\$3 or				
		circuit or signal\$4)).ti. and (loop				
		and (impedance or resistance)).ab.)				
		(((379/372).CCLS.) and ring\$3.ti.)				
		(((379/372).CCLS.) and (impedance				
		or resistance).ab.) (((ring\$3 or				
		call\$3).ti.) and ((loop line feed) adj				
		(resistance impedance)).ab.))))				
, areas	a stranski sa programa se stranski se			. dekile biologisk i Elleski i de		
S41	14	(("1277025" "2212927"	US-PGPUB;	OR	ON	2003/07/02 11:24
		"2260296" "3309633" "3340364"	USPAT;			
		"3535646" "3641357"	EPO; JPO;	Parising Carry	Control of the contro	
1.15		"3736437" "4178480" "4456985"	DERWENT;			*11
		"4456986" "4546212"	IBM_TDB			
		"4608686" "4640989").PN.) not				
		(((((slic or "line interface" or "loop	P.A. Industrial Inc.	en, et alabatea.	in the species	
		intereface").ti.) and ("high			e continue de la continue de	
		impedance" or "high resistance").				The state of the s
		ab.) ((ring\$3 and (generat\$3 or				
		circuit or signal\$4)).ti. and (loop				
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		and (impedance or resistance)).ab.)	tera sele real units, a l'alternate a r			
		((((379/372).CCLS.) and ring\$3.ti.)				-01.700.71
7		((((379/372).CCLS.) and (impedance				
		or resistance).ab.) (((ring\$3 or			erente de como	
		call\$3).ti.) and ((loop line feed) adj				
		(resistance impedance)).ab.)) or (((ringing and impulse and noise).	Country Country State Country States to			
		ab.) not ((((slic or "line interface" or				
		"loop intereface").ti.) and ("high		- 1		
		impedance" or "high resistance").				
		ab.) ((ring\$3 and (generat\$3 or				
		circuit or signal\$4)).ti. and (loop		The second secon	la l	
		and (impedance or resistance)).ab.)				
		(((379/372).CCLS.) and ring\$3.ti.)				
		(((379/372).CCLS.) and (impedance				
		or resistance).ab.) (((ring\$3 or				
		call\$3).ti.) and ((loop line feed) adj				
		(resistance impedance)).ab.))))				
	I really a constitution of the constitution of	TESISIALICE HILDEUALICE J.du.)]	10-1-10-10-10-10-10-10-10-10-10-10-10-10	: (1	4. STEPPENS DEED S	Production Plantage Plantage Co., 17, 177, 177, 188, 1887, 18970, 18970, 18970

S42	194	((((slic or "line interface" or "loop intereface").ti.) and ("high impedance" or "high resistance"). ab.) ((ring\$3 and (generat\$3 or circuit or signal\$4)).ti. and (loop and (impedance or resistance)).ab.) (((379/372).CCLS.) and ring\$3.ti.) (((379/372).CCLS.) and (impedance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 11:54
		or resistance).ab.) (((ring\$3 or call\$3).ti.) and ((loop line feed) adj (resistance impedance)).ab.)) or (((ringing and impulse and noise). ab.) not ((((slic or "line interface" or "loop intereface").ti.) and ("high impedance" or "high resistance"). ab.) ((ring\$3 and (generat\$3 or circuit or signal\$4)).ti. and (loop and (impedance or resistance)).ab.) (((379/372).CCLS.) and ring\$3.ti.) (((379/372).CCLS.) and (impedance or resistance).ab.) (((ring\$3 or call\$3).ti.) and ((loop line feed) adj (resistance impedance)).ab.)))				
S43	0	("16or14or15").PN.	USPAT;	OR	OFF	2003/07/02 11:54
373		(100110112),, (1)	USOCR		OI I	
S44	1	(("4387273").PN.) not ((((((slic or "line interface" or "loop intereface").ti.) and ("high impedance" or "high resistance"). ab.) ((ring\$3 and (generat\$3 or circuit or signal\$4)).ti. and (loop and (impedance or resistance)).ab.) (((379/372).CCLS.) and ring\$3.ti.) (((379/372).CCLS.) and (impedance or resistance).ab.) (((ring\$3 or call\$3).ti.) and ((loop line feed) adj (resistance impedance)).ab.)) or (((ringing and impulse and noise). ab.) not ((((slic or "line interface" or "loop intereface").ti.) and ("high impedance" or "high resistance"). ab.) ((ring\$3 and (generat\$3 or circuit or signal\$4)).ti. and (loop and (impedance or resistance)).ab.) (((379/372).CCLS.) and ring\$3.ti.) (((379/372).CCLS.) and (impedance or resistance) ab.) (((ring\$3 or call\$3).ti.) and ((loop line feed) adj (resistance impedance)).ab.)))) or "4953206".URPN. or (("1277025" "2212927" "2260296" "3309633" "3340364" "3535646" "3535646" "4456985" "4456986" "4546212" "4608686" "4546212" "4608686" "4546212" "4608686" "4546212" "4608686" "4546212" "4608686" "4546212" "4608686" "4546212" "4608686" "4546212" "4608686" "4640989").PN.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 11:54

S45	1	("4387273").PN.	USPAT; USOCR	OR	OFF	2003/07/02 11:53
S46		(("4161363").PN.) not ((((((slic or "line interface" or "loop intereface").ti.) and ("high impedance" or "high resistance"). ab.) ((ring\$3 and (generat\$3 or circuit or signal\$4)).ti. and (loop and (impedance or resistance)).ab.) (((379/372).CCLS.) and ring\$3.ti.) (((379/372).CCLS.) and (impedance or resistance).ab.) (((ring\$3 or call\$3).ti.) and ((loop line feed) adj (resistance impedance)).ab.)) or (((ringing and impulse and noise). ab.) not ((((slic or "line interface" or "loop intereface").ti.) and ("high impedance" or "high resistance"). ab.) ((ring\$3 and (generat\$3 or circuit or signal\$4)).ti. and (loop and (impedance or resistance)).ab.) (((379/372).CCLS.) and ring\$3.ti.) (((379/372).CCLS.) and ring\$3.ti.) (((379/372).CCLS.) and (impedance or resistance).ab.) (((ring\$3 or call\$3).ti.) and ((loop line feed) adj (resistance impedance)).ab.)))) or "4953206".URPN. or (("1277025" "2212927" "2260296" "3309633" "3340364" "3535646" "3641357" "3736437" "4178480" "4456985" "4456986" "4546212" "4608686" "4546212" "4608686" "4546212" "4608686" "4546212" "4608686" "4546212" "4608686" "4546212" "4608686" "4546212" "4608686" "4640989").PN.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR		2003/07/02 11:57
S47	1	("4161363").PN.	USPAT; USOCR	OR	OFF	2003/07/02 11:58
S48	0	("31not27").PN.	USPAT; USOCR	OR	OFF	2003/07/02 11:58
S49	1	("4161633").PN.	USPAT; USOCR	OR	OFF	2003/07/02 12:19
S50	0	("8and(impedanceorresistance).ab. ").PN.	USPAT; USOCR	OR	OFF	2003/07/02 15:50
S51	0	((379/372).CCLS.) and ((loop line feed) adj (resistance impedance)). ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/01 12:47

S52 0	(((slic or "line interface" or "loop intereface").ti.) and ("high impedance" or "high resistance"). ab.) and ((ring\$3 and (generat\$3 or circuit or signal\$4)).ti. and (loop and (impedance or resistance)).ab.) and (((379/372).CCLS.) and ring\$3. ti.) and (((379/372).CCLS.) and (impedance or resistance).ab.) and (((ring\$3 or call\$3).ti.) and ((loop line feed) adj (resistance impedance)).ab.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 12:19
	((((((slic or "line interface" or "loop intereface").ti.) and ("high impedance" or "high resistance"). ab.) ((ring\$3 and (generat\$3 or circuit or signal\$4)).ti. and (loop and (impedance or resistance)).ab.) (((379/372).CCLS.) and ring\$3.ti.) (((379/372).CCLS.) and (impedance or resistance).ab.) (((ring\$3 or call\$3).ti.) and ((loop line feed) adj (resistance impedance)).ab.)) or (((ringing and impulse and noise). ab.) not ((((slic or "line interface" or "loop intereface").ti.) and ("high impedance" or "high resistance"). ab.) ((ring\$3 and (generat\$3 or circuit or signal\$4)).ti. and (loop and (impedance or resistance)).ab.) (((379/372).CCLS.) and ring\$3.ti.) (((379/372).CCLS.) and ring\$3.ti.) (((379/372).CCLS.) and (impedance or resistance).ab.) (((ring\$3 or call\$3).ti.) and ((loop line feed) adj (resistance impedance)).ab.)))) or "4953206".URPN. or (("1277025" "2212927" "2260296" "3309633" "3340364" "3535646" "4456985" "4456986" "4456986" "4546212" "4608686" "4546212" "4608686" "4640989").PN.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB			2003/07/02 11:57

	1			1		T
S54	5	(((ringer "ring send\$3"	US-PGPUB;	OR	ON	2003/07/02 12:21
		"ring\$send\$3") and impulse).ab.)	USPAT;			
		not ((((((slic or "line interface" or	EPO; JPO;			
		"loop intereface").ti.) and ("high	DERWENT;		1	
		impedance" or "high resistance").	IBM_TDB	1	1	
			מסוי_ויוטג		1	
		ab.) ((ring\$3 and (generat\$3 or				
		circuit or signal\$4)).ti. and (loop				
		and (impedance or resistance)).ab.)				
		(((379/372).CCLS.) and ring\$3.ti.)				
		(((379/372).CCLS.) and (impedance				
		or resistance).ab.) (((ring\$3 or		,		
		call\$3).ti.) and ((loop line feed) adj				
	,	(resistance impedance)).ab.)) or				
		(((ringing and impulse and noise).				
		ab.) not ((((slic or "line interface" or				
		"loop intereface").ti.) and ("high				
		impedance" or "high resistance").				
		ab.) ((ring\$3 and (generat\$3 or				
		circuit or signal\$4)).ti. and (loop				
		and (impedance or resistance)).ab.)				
		(((379/372).CCLS.) and ring\$3.ti.)				
		(((379/372).CCLS.) and (impedance		ĺ	•	
		or resistance).ab.) (((ring\$3 or				
		call\$3).ti.) and ((loop line feed) adj				
		(resistance impedance)).ab.)))) or				
i		"4953206".URPN. or (("1277025"				
		"2212927" "2260296" "3309633"				
		"3340364" "3535646"				
		"3641357" "3736437" "4178480"				
		"4456985" "4456986"				
		"4546212" "4608686"				
		"4640989").PN.))				
			B - 1 - Nagrica - State Company			
S55	74	(((slic or "line interface" or "loop	USPAT	OR	OFF	2003/07/02 16:00
		intereface").ti.) and ("high				The state of the s
		impedance" or "high resistance").				
		ab.) ((ring\$3 and (generat\$3 or				
		circuit or signal\$4)).ti. and (loop				
		and (impedance or resistance)).ab.)	Elizabeth Palannia de Stiel Begin in	in agreement of the		
		(((379/372).CCLS.) and ring\$3.ti.)				Level and the second of the second
SELECTION OF THE	n	(((379/372).CCLS.) and (impedance				
		or resistance).ab.) (((ring\$3 or				
		call\$3).ti.) and ((loop line feed) adj		10.4		45.30 Phillip 10 15 (17 15) - 170 Phillip 11 (17 15)
	les i salmes. Esta esta esta esta esta esta esta esta e	(resistance impedance)).ab.)				Landin Grinning Almont, Landon Che Che aguet (historial) Teografia
		"4953206".URPN. (("1277025"				
		"2212927" "2260296" "3309633"	a construe anniers de 1930	a minima a a a a a a a a a a a a a a a a a a		
	leg sjed sile IVIVski Velskipij Niviska	"3340364" "3535646"	E digita a la magazine			
				1 - 14/1		
		"3641357" "3736437" "4178480"				
		"4456985" "4456986" "4546313" "4669668"				
		"4546212" "4608686"				
		"4640989").PN.) ((ringing and	na na na na ren' Filipi (1811) il 1944 L'elipi no Calling (1811)			
		impulse and noise).ab.) (((ringer				
		"ring send\$3" "ring\$send\$3") and				
		impulse).ab.)				
	 Charles of the Control of Contr		Lancoul Termina official	THE ROLL THROUGH THE TAXABLE PARTY AND ADDRESS.	 Fig. 21 Str. Eller Problem 1 Str. Aller 	processor and the commercial states and the state of the contract of the contr

S56	1	(((slic or "line interface" or "loop interface").ti.) and ("high impedance" or "high resistance"). ab.) not (((slic or "line interface" or "loop intereface").ti.) and ("high impedance" or "high resistance"). ab.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 16:07
S57	23	((slic or "line interface" or "loop intereface").ti.) and ("high impedance" or "high resistance"). ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 16:04
S58	2	((379/142.04,82,179,207.08,207. 09,252,375.01,376.02,413.01,418, 25,88.19-88.23,93.03,29.06,142.01, 142.08,93.05,416,417,422).CCLS.) and (ring\$3 with (impedance resistance) with impulse with (line loop))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 16:06
\$59	33	(((379/142.04,82,179,207.08,207. 09,252,375.01,376.02,413.01,418, 25,88.19-88.23,93.03,29.06,142.01, 142.08,93.05,416,417,422).CCLS.) and (ring\$3 and (impedance resistance) and impulse and (line loop))) not ((((slic or "line interface" or "loop intereface").ti.) and ("high impedance" or "high resistance").ab.) ((ring\$3 and (generat\$3 or circuit or signal\$4)). ti. and (loop and (impedance or resistance)).ab.) (((379/372).CCLS.) and ring\$3.ti.) (((379/372).CCLS.) and (impedance or resistance).ab.) (((ring\$3 or call\$3).ti.) and ((loop line feed) adj (resistance impedance)).ab.) "4953206".URPN. (("1277025" "2212927" "2260296" "3309633" "3340364" "3535646" "3641357" "3736437" "4178480" "4456985" "4456986" "4546212" "4608686" "4640989").PN.) ((ringing and impulse and noise). ab.) (((ringer "ring send\$3" "ring\$send\$3") and impulse).ab.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 16:32

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S60		((((379/142.04,82,179,207.08,207.09,252,375.01,376.02,413.01,418,25,88.19-88.23,93.03,29.06,142.01,142.08,93.05,416,417,422).CCLS.) and (ring\$3 and (impedance resistance) and impulse and (line loop))) not ((((slic or "line interface" or "loop intereface").ti.) and ("high impedance" or "high resistance").ab.) ((ring\$3 and (generat\$3 or circuit or signal\$4)). ti. and (loop and (impedance or resistance)).ab.) (((379/372).CCLS.) and ring\$3.ti.) (((379/372).CCLS.) and (impedance or resistance).ab.) (((ring\$3 or call\$3).ti.) and ((loop line feed) adj (resistance impedance)).ab.) "4953206".URPN. (("1277025" "2212927" "2260296" "3309633" "3340364" "3535646" "3641357" "3736437" "4178480" "4456985" "4456986" "4546212" "4608686" "4640989").PN.) ((ringing and impulse and noise). ab.) (((ringer "ring send\$3" "ring\$send\$3") and impulse).ab.))) and switch	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 17:10
S61	0	(((slic or "line interface" or "loop intereface").ti.) and ("high impedance" or "high resistance").	USPAT:	OR	OFF	2003/07/02 16:48
		ab.) and impulse				
S62	1	("4720853").PN.	USPAT; USOCR	OR	OFF	2003/07/02 17:11
S63		(("4720853").PN.) and impulse	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM TDB	OR	ON	2003/07/02 17:11
S64	24	((slic or "line interface" or "loop interface").ti.) and ("high impedance" or "high resistance"). ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 16:05
S65	34	((379/142.04,82,179,207.08,207. 09,252,375.01,376.02,413.01,418, 25,88.19-88.23,93.03,29.06,142.01, 142.08,93.05,416,417,422).CCLS.) and (ring\$3 and (impedance resistance) and impulse and (line loop))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON .	2003/07/02 17:12

S66	1	((((379/142.04,82,179,207.08,207. 09,252,375.01,376.02,413.01,418, 25,88.19-88.23,93.03,29.06,142.01, 142.08,93.05,416,417,422).CCLS.) and ("caller id" or "caller identification")) and switch and ring\$3 and silent) and impulse	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 17:17
S67		(((slic or "line interface" or "loop intereface").ti.) and ("high impedance" or "high resistance"). ab.) ((ring\$3 and (generat\$3 or circuit or signal\$4)).ti. and (loop and (impedance or resistance)).ab.) (((379/372).CCLS.) and ring\$3.ti.) (((379/372).CCLS.) and (impedance or resistance).ab.) (((ring\$3 or call\$3).ti.) and ((loop line feed) adj (resistance impedance)).ab.) "4953206".URPN. (("1277025" "2212927" "2260296" "3309633" "3340364" "3535646" "3641357" "3736437" "4178480" "4456985" "4456986" "4546212" "4608686" "4546212" "4608686" "1640989").PN.) ((ringing and impulse and noise).ab.) (((ringer "ring send\$3" "ring\$send\$3") and impulse).ab.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR		2003/07/02 17:12
S68	O	((((379/142.04,82,179,207.08,207.09,252,375.01,376.02,413.01,418,25,88.19-88.23,93.03,29.06,142.01,142.08,93.05,416,417,422).CCLS.) and ("caller id" or "caller identification") and (slic "line interface" "line\$interface")) and (impulse or transient or pulse) and silent and ring\$3) not ((((379/142.04,82,179,207.08,207.09,252,375.01,376.02,413.01,418,25,88.19-88.23,93.03,29.06,142.01,142.08,93.05,416,417,422).CCLS.) and ("caller id" or "caller identification")) and switch and ring\$3 and silent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 17:46

569	87	(((379/142.04,82,179,207.08,207. 09,252,375.01,376.02,413.01,418, 25,88.19-88.23,93.03,29.06,142.01, 142.08,93.05,416,417,422).CCLS.) and ("caller id" or "caller identification") and (slic "line interface" "line\$interface")) not ((((379/142.04,82,179,207.08,207. 09,252,375.01,376.02,413.01,418, 25,88.19-88.23,93.03,29.06,142.01, 142.08,93.05,416,417,422).CCLS.) and ("caller id" or "caller identification")) and switch and ring\$3 and silent)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 17:46
\$70	106	((379/142.04,82,179,207.08,207. 09,252,375.01,376.02,413.01,418, 25,88.19-88.23,93.03,29.06,142.01, 142.08,93.05,416,417,422).CCLS.) and ("caller id" or "caller identification") and (slic "line interface" "line\$interface")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 17:45
S71	13	(((379/142.04,82,179,207.08,207. 09,252,375.01,376.02,413.01,418, 25,88.19-88.23,93.03,29.06,142.01, 142.08,93.05,416,417,422).CCLS.) and ("caller id" or "caller identification") and (slic "line interface" "line\$interface")) and (impulse or transient or pulse) and silent and ring\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR .	ON	2003/07/02 17:47

S72	54	((((379/142.04,82,179,207.08,207.	US-PGPUB;	OR	ON	2003/07/02 17:17
S72	54	((((379/142.04,82,179,207.08,207.09,252,375.01,376.02,413.01,418,25,88.19-88.23,93.03,29.06,142.01,142.08,93.05,416,417,422).CCLS.) and ("caller id" or "caller identification")) and switch and ring\$3 and silent) not ((((slic or "line interface" or "loop intereface").ti.) and ("high impedance" or "high resistance").ab.) ((ring\$3 and (generat\$3 or circuit or signal\$4)).ti. and (loop and (impedance or resistance)).ab.) (((379/372).CCLS.) and ring\$3.ti.) (((379/372).CCLS.) and (impedance or resistance).ab.) ((ring\$3 or call\$3).ti.) and ((loop line feed) adj (resistance impedance)).ab.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 17:17
		"4953206".URPN. (("1277025" "2212927" "2260296" "3309633" "3340364" "3535646" "3641357" "3736437" "4178480" "4456985" "4456986" "4546212" "4608686" "4640989").PN.) ((ringing and impulse and noise).ab.) (((ringer "ring send\$3" "ring\$send\$3") and impulse).ab.)) or (((slic or "line interface" or "loop interface").ti.) and ("high impedance" or "high resistance").ab.) or (((379/142.04, 82,179,207.08,207.09,252,375.01, 376.02,413.01,418,25,88.19-88.23, 93.03,29.06,142.01,142.08,93.05, 416,417,422).CCLS.) and (ring\$3 and (impedance resistance) and impulse and (line loop))))				
S73	520	((379/142.04,82,179,207.08,207. 09,252,375.01,376.02,413.01,418, 25,88.19-88.23,93.03,29.06,142.01, 142.08,93.05,416,417,422).CCLS.) and ("caller id" or "caller identification")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 17:42

				T	1	
S74	255	((((slic or "line interface" or "loop intereface").ti.) and ("high impedance" or "high resistance"). ab.) ((ring\$3 and (generat\$3 or circuit or signal\$4)).ti. and (loop and (impedance or resistance)).ab.) (((379/372).CCLS.) and ring\$3.ti.) (((379/372).CCLS.) and (impedance or resistance).ab.) (((ring\$3 or call\$3).ti.) and ((loop line feed) adj (resistance impedance)).ab.) "4953206".URPN. (("1277025" "2212927" "2260296" "3309633" "3340364" "3535646" "3641357" "3736437" "4178480" "4456985" "4456986" "4546212" "4608686" "4640989").PN.) ((ringing and impulse and noise).ab.) (((ringer "ring send\$3" "ring\$send\$3") and impulse).ab.)) or (((slic or "line interface" or "loop interface").ti.) and ("high impedance" or "high resistance").ab.) or (((379/142.04, 82,179,207.08,207.09,252,375.01, 376.02,413.01,418,25,88.19-88.23, 93.03,29.06,142.01,142.08,93.05, 416,417,422).CCLS.) and (ring\$3 and (impedance resistance) and impulse and (line loop)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/07/02 17:17
S75	0	379/142.04,82,179,207.08,207.09,	US-PGPUB;	OR	ON	2004/02/10 10:07
		252,375.01,376.02,413.01,418,25, 88.19-88.23,93.03,29.06,142.01,	USPAT; EPO; JPO;			
		142.08,93.05,416,417,422	DERWENT; IBM_TDB			
S76	3449	(379/142.04,82,179,207.08,207.09, 252,375.01,376.02,413.01,418,25, 88.19-88.23,93.03,29.06,142.01, 142.08,93.05,416,417,422).CCLS.	USPAT; USOCR	OR	OFF	2004/02/10 10:07
S77	16	tou.in. and takashi.in.	US-PGPUB;	OR	ON	2004/02/10 11:21
			USPAT; EPO; JPO;			
			DERWENT; IBM_TDB			
S78	0	tou.in. and call.ti.	US-PGPUB;	OR	ON	2004/02/10 11:22
			USPAT; EPO; JPO; DERWENT; IBM_TDB			
	are test a reference to the bound of the				ON	2004/02/10 11:28
S79	. 98	"call signal transmission".ti.	US-PGPUB;	OR	ON	2004/02/10 11.20
S79	98	"call signal transmission".ti.	US-PGPUB; USPAT; EPO; JPO;	OR	UN	2007/02/10 11:28

S80	1906	(slic or "line interface" or "loop intereface").ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/16 11:24
S81	4	((ringing and slic).ab.) and (variable and impedance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR .	ON	2004/12/16 11:25
S82	39	379/142.04,82,179,207.08,207.09, 252,375.01,376.02,413.01,418,25, 88.19-88.23,93.03,29.06,142.01, 142.08,93.05,416,417,422.ccls. and feed.ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/16 11:25
S83	4825	379/142.04,82,179,207.08,207.09, 252,375.01,376.02,413.01,418,25, 88.19-88.23,93.03,29.06,142.01, 142.08,93.05,416,417,422.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/16 11:25
S84	178	((cal\$4 ring\$4) and circuit and ((remove eliminate) with (relay switch))).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/16 11:25